

# **Nationwide Public Safety Broadband Overview & Arizona's SLIGP Project**

## **Presentation to the 2013 Homeland Security Information Seminar For Tribes**

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Public Safety Interoperable  
Communications Office

# What is it?



- National Public Safety Broadband Network (NPSBN)
  - = Broadband = 4G LTE = FirstNet = FirstNet Network (FNN)
- A cellular network like Verizon or AT&T but separate and only for Public Safety - both primary (Law, Fire, EMS) and secondary (Department of Transportation, Public Works, Utilities).
- Primarily for data: license, registration, wants & warrants, building plans, physicians desk reference information
- Will be a platform for a public safety specific applications
  - CPR alerts to trained citizens/members
  - Situational awareness through GIS Mapping

# National Public Safety Broadband Network



- By Federal legislation, the First Responder Network Authority (FirstNet - an independent authority within the National Telecommunications & Information Administration (NTIA)) has been tasked with building a nationwide wireless public safety broadband network (NPSBN).
- The NPSBN will be used by federal, tribal, state and local public safety agencies. Once built out, the NPSBN will be managed and maintained by FirstNet as a self-supporting, fee-based network.
- Some public safety agencies already use cellular air-cards, but 4G LTE will allow for faster data transfers of videos, building plans, real-time GIS mapping, etc.

# Federal Legislation

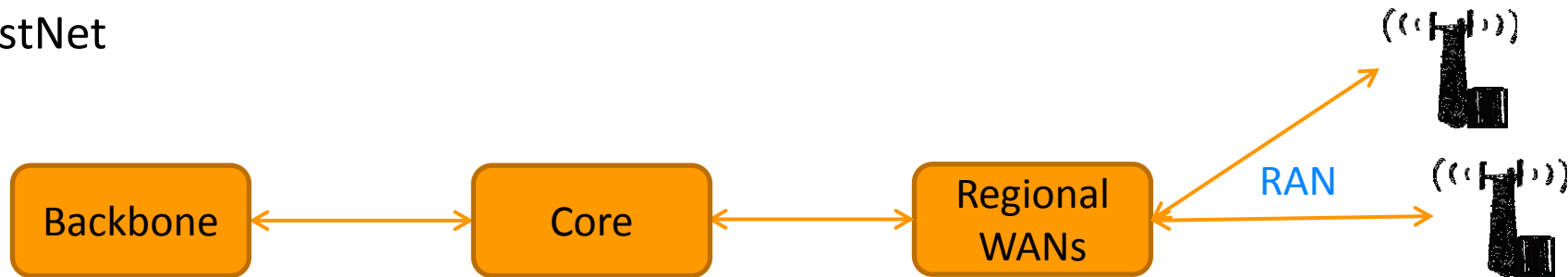


- The Broadband Federal Legislation
  - Provides \$7B for the build out of the national public safety wireless network (NPSBN) with a State level option for opting in or out
  - Allocates the so called “D-block” spectrum to Public Safety; Allows for network funding through public / private partnerships and sharing of spectrum
  - Requires FirstNet to work with State, Local and Tribal entities; Provides \$135M nationally for states to perform outreach and collect data for planning the national network
- Each State is required to identify a single point of contact to work with FirstNet/NPSBN; In Arizona, this is the State CIO working through the PSIC Office and consulting with Public Safety Communications Advisory Commission (PSCC)

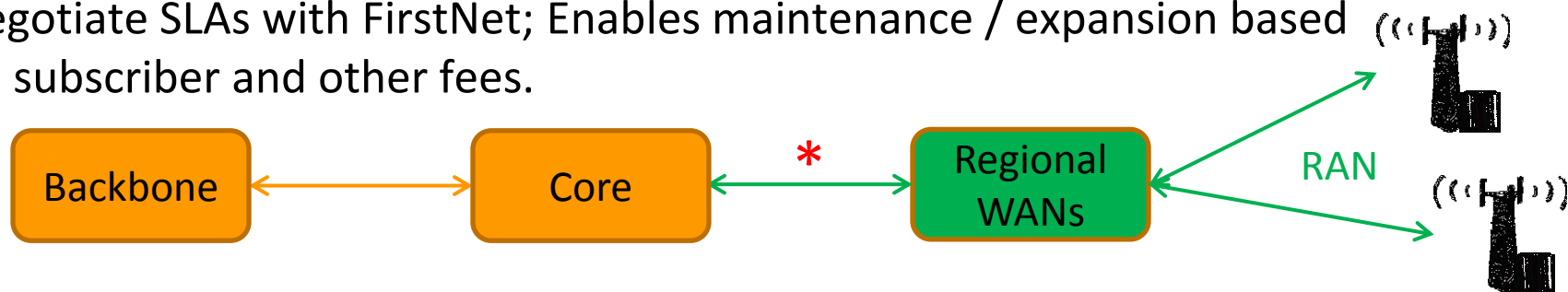
# Governor's Decision



- **Opt In (*Default*)** – FirstNet builds the complete network (RAN, Regional WANs, Core & Backbone), Participating agencies pay fees for User Equipment (UE) and network access; States Negotiate SLAs with FirstNet



- **Opt Out** – FirstNet builds the Core & Backbone; State builds the RAN and Regional WANs - NTIA Grants (80/20) are available; Participating agencies pay fees for User Equipment (UE) and network access; States Negotiate SLAs with FirstNet; Enables maintenance / expansion based on subscriber and other fees.



# SLIGP



- State and Local Implementation Grant Program (SLIGP)
  - \$135M nationwide – Arizona's portion is \$3 million
- Unlike other DHS grants where funds are available to local entities, this is a State level grant where the State provides a single statewide approach to FirstNet (based on working with local and tribal entities).
- Phase 1: Introduction and Outreach – to determine how the new technology may impact governance and operations
- Phase 2: Data Collection – to validate agency data, possible participants and possible shared infrastructure

# Phase 1: Introduction and Outreach



- States inform their agencies/jurisdictions of the project timeline, progress and the impacts of the new technology on current operations. [*Fall 2013*]
- Education & Outreach (E&O) Meetings

<u>Meeting Type</u>		<u>Meetings</u>
Counties		15
Local	Urban	33
	Rural	35
	Sparse	10
Tribal		22
Associations/CIOs		<u>30</u>
		145

# Phase 2 Data Collection & Beyond



- States collect the State, Local and Tribal requirements (i.e., coverage, possible participants, critical infrastructure, special circumstances) [*Spring 2014*]
- Data collection (to be detailed in the phase 2 grant submission)
  - Data collection defined by FirstNet/NTIA
  - Data collection driven by our needs for coverage requirements
  - Possible infrastructure sharing dependent on rate discount or public/private partnerships
- States are also responsible to work with FirstNet to assure that the States' requirements (including local and Tribal input) are understood and to assist FirstNet in figuring how to meet States' needs [*Fall 2014*]



# Data Collection Site Visits



- While still to be defined by FirstNet/NTIA, possible data collection activities could include backhaul speed and bandwidth tests, type of IP connection, security needs, antenna capabilities, building characteristics, etc.

Site visits to all State, Tribal, and Local locations	
Type of Site	Number
LAW	400
FIRE	770
EMS	103
PSAP	90
Public Service	75

Total

1438

# Grant Details



- Amount available for Arizona: \$2,911,147 (formula based)
- Required matching contribution: \$727,787 (in-kind allowed)
- Money split in two phases (50% reserved until FirstNet authorizes the State to proceed with data collection) - all funds obligated at the time of award.
- Grant was released February 6, 2013
- Application was submitted on March 19, 2013
- Award notices projected to go out July 15, 2013
- 3 year period of performance

# FirstNet Regional Meeting



- On May 29-30, 2013 in San Francisco, CA the National Governors Association and FirstNet organized a regional workshop for FirstNet to consult with Western states on the development of the NPSBN.
- The workshop was designed to assist Arizona and other states in preparing for the SLIGP grant and ultimately the deployment of the network.
- The workshop was a “listening tour” for FirstNet to hear directly from participants, share their vision for FirstNet, address common misconceptions, and answer questions.
- This regional workshop is the first of many workshops that will occur in conjunction with the State and Local Implementation Grant Program (SLIGP).

# FirstNet Regional Meeting (cont.)



- AZ Participants:

- Justin Turner, Deputy SWIC, PSIC Office
- Michael Britt, PhD, Project Manager, PSIC Office
- Luke Johnson, Director Emergency Response, Ft Mojave Indian Tribe
- Kevin Rogers, Manager, Wireless Systems Bureau, Department of Public Safety
- Steven Campbell, Chief of Police, El Mirage Police Department
- Greg Wilkinson, City Administrator, City of Yuma

# Ft Mojave Perspective



- Following the workshop, Fort Mojave shared an outline of what tribes can do:
  - Study the FirstNet legislation, know the law and the regulations.
  - Get to know who the FirstNet people are: FirstNet Board, NTIA, DHS OEC, State SLIGP contacts, etc.
  - Follow the activities of FirstNet and the state SLIGP process.
  - Develop an internal Tribal FirstNet Partnership Team to work with the State SLIGP team.
  - Develop a written Tribal FirstNet Plan. Make your plan available to FirstNet and SLIGP partners.
  - Be involved: Make your tribe known and inform the State SLIGP team of your capabilities, contributions and potential support.
  - Ensure your telecommunications, information technology, emergency management and public safety programs all work together on this effort.
- “We did not wait for FirstNet to come to us, we prepared for the day to be a contributing partner to the FirstNet program.”

# How to get Started



- Please identify a point of contact for your tribe for the National Public Safety Broadband Network (FirstNet) effort and send their contact information to us ([michael.britt@azdoa.gov](mailto:michael.britt@azdoa.gov)).
- We will schedule meetings with each Tribe beginning in the Fall 2013 through your Tribal point of contact.
  - Meeting attendees by invitation of the Tribe.
  - Please consider who from your Tribe should be involved with this effort.
  - Please consider including your usual public safety mutual aid partners.

# Questions?



## More To Come:

We look forward to partnering with you once the SLIGP project begins and we start our Education and Outreach activities.

## To Keep Informed:

Track this Initiative on the PSIC Office Website [Broadband page](#)

Sign up for our Interested Parties [email list](#)

## Thank You!

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